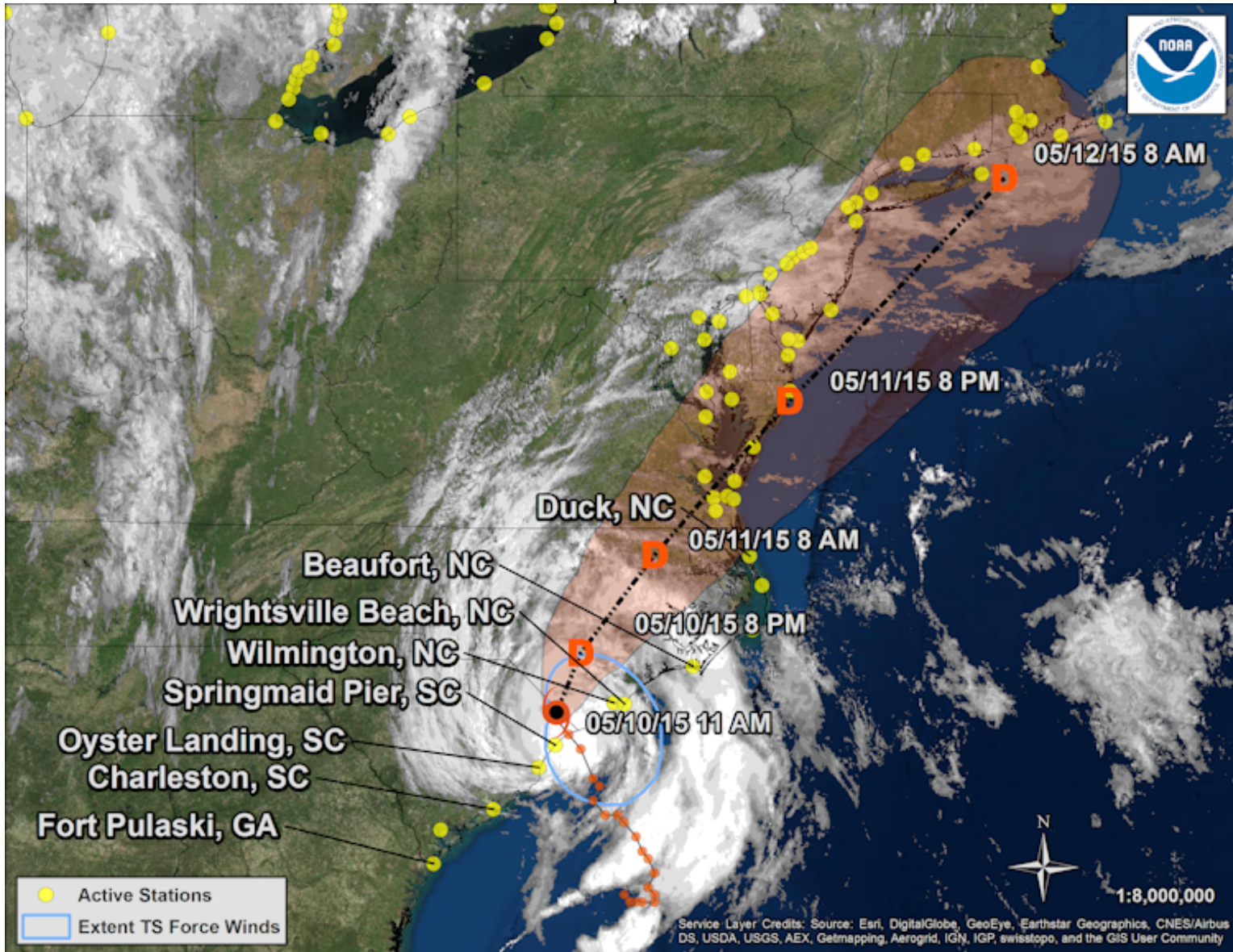




Tropical Storm ANA QuickLook
Posted: 12:00 EDT 05/10/2015

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

ion Locked="false" Priority="63" SemiHidden="false" UnhideWhenUsed="false" Name="Medium Shading 1 Accent 4"/>

Tropical Storm ANA QuickLook, POSTED 12:00 EDT 05/10/2015

As of 05/10/2015 12:00 EDT, water levels from Georgia to South Carolina are slightly elevated above normal tide levels. Water levels in North Carolina are elevated and range between 0.5 and 1.7 feet above tidal predictions. Winds remain strong at Wrightsville beach, NC and Springmaid Pier, SC and range from 20 to 25 knots with gusts up to 32 knots. Barometric pressure has leveled in North Carolina. Barometric pressure is rising elsewhere across the region.

Water Level and Meteorological plots available below are updated automatically. A line denoting Mean Higher High Water (MHHW) is displayed to provide an approximate indication of when flooding inundation may occur.

For additional data, please see the Center for Operational Oceanographic Products & Services website. For more information or archived products and reports, please see the Storm QuickLook Homepage.

Analyst: KG

SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:

TROPICAL STORM ANA ADVISORY NUMBER 11
1100 AM EDT SUN MAY 10 2015

...ANA LIKELY TO BECOME A TROPICAL DEPRESSION LATER TODAY...

WATCHES AND WARNINGS

CHANGES WITH THIS ADVISORY:

The Tropical Storm Warning south of Little River Inlet South Carolina to South Santee River South Carolina has been discontinued.

The Tropical Storm Warning north of Surf City North Carolina to Cape Lookout North Carolina has been discontinued

SUMMARY OF WATCHES AND WARNINGS IN EFFECT:

A Tropical Storm Warning is in effect for...

* Little River Inlet South Carolina to Surf City North Carolina

Interests elsewhere in eastern North Carolina and Virginia should monitor the progress of Ana.

For storm information specific to your area, including possible inland watches and warnings, please monitor products issued by your local National Weather Service forecast office.

DISCUSSION AND 48-HOUR OUTLOOK

At 1100 AM EDT, the center of Tropical Storm Ana was located near latitude 34.1 North, longitude 78.9 West. Ana is moving toward the north near 5 mph and a turn toward the northeast with a gradual increase in forward speed is expected over the next 48 hours. On the forecast track, the center of Ana will move over eastern North Carolina later today and tonight.

Maximum sustained winds are near 40 mph with higher gusts. Ana is expected to weaken to a tropical depression later today.

Tropical storm force winds extend outward up to 125 miles from the center.

The estimated minimum central pressure is 1004 mb.

HAZARDS AFFECTING LAND

WIND: Tropical storm conditions are expected within portions of the warning area for the next few hours.

STORM SURGE: The combination of storm surge and the tide will cause normally dry areas near the coast to be flooded by rising waters.

The water could reach 1 to 2 ft above ground at times of high tide in coastal areas from Cape Hatteras, North Carolina southward through South Carolina. For information specific to your area, please see products issued by your local National Weather Service forecast office.

RAINFALL: Ana is expected to produce rainfall accumulations of 2 to 4 inches, with isolated maximum amounts of 6 inches over eastern portions of North Carolina and northeast South Carolina through Monday.

SURF: Swells generated by Ana are affecting portions of the southeastern U.S. coast. These swells will likely cause life-threatening surf and rip currents. Please see statements issued by your local National Weather Service forecast office.

\$\$
Forecaster Pasch

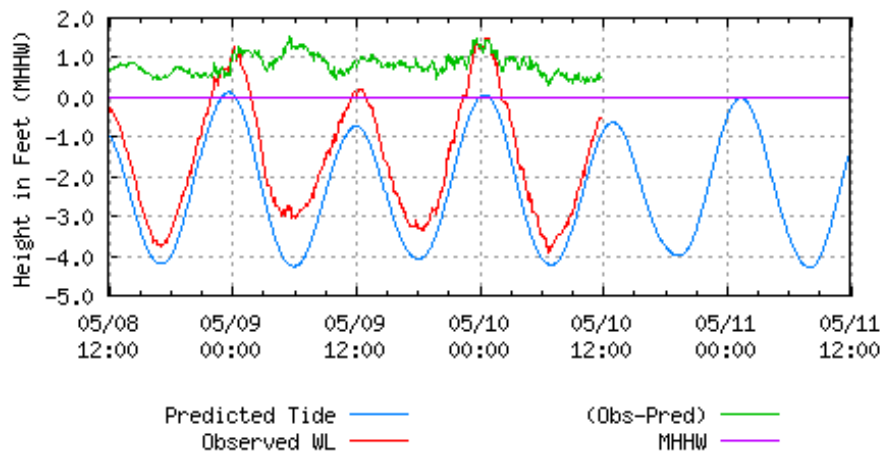
For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [Wrightsville Beach - Water Level](#), [Wrightsville Beach - Winds](#), [Wrightsville Beach - Barometric](#), [Beaufort - Water Level](#), [Beaufort - Winds](#), [Beaufort - Barometric](#), [Springmaid Pier - Water Level](#), [Springmaid Pier - Winds](#), [Springmaid Pier - Barometric](#), [Oyster Landing \(N Inlet Estuary\) - Water Level](#), [Charleston - Water Level](#), [Charleston - Winds](#), [Fort Pulaski - Water Level](#), [Fort Pulaski - Winds](#), [Duck - Water Level](#), [Duck - Winds](#)

Tropical Storm ANA QuickLook, POSTED 12:00 EDT 05/10/2015

NOAA/NOS/CO-OPS 8658163 Wrightsville Beach, NC

Preliminary Water Level, relative to Mean Higher High Water (MHHW)



Last Observed Sample: 05/10/2015 11:42 (EDT). Data relative to MHHW

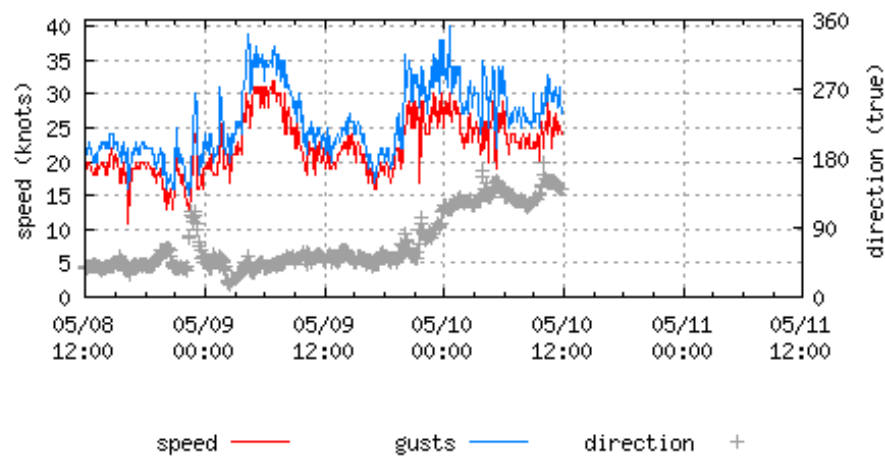
Observed: -0.50 ft. Predicted: -0.99 ft. Residual: 0.49 ft.

Historical Maximum Water Level: Sep 25 2008, 2.81 ft.

Next High Tide: 05/10/2015 12:54 (EDT), -0.63 ft.

NOAA/NOS/CO-OPS 8658163 Wrightsville Beach, NC

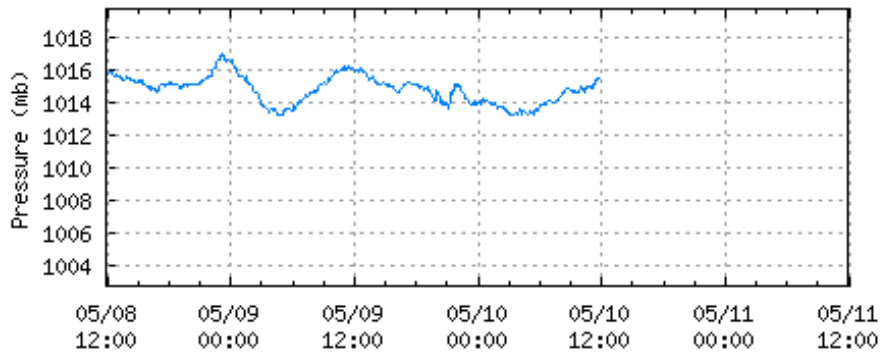
Wind Speed / Gusts / Direction



Last Observed Sample: 05/10/2015 11:42 (EDT)

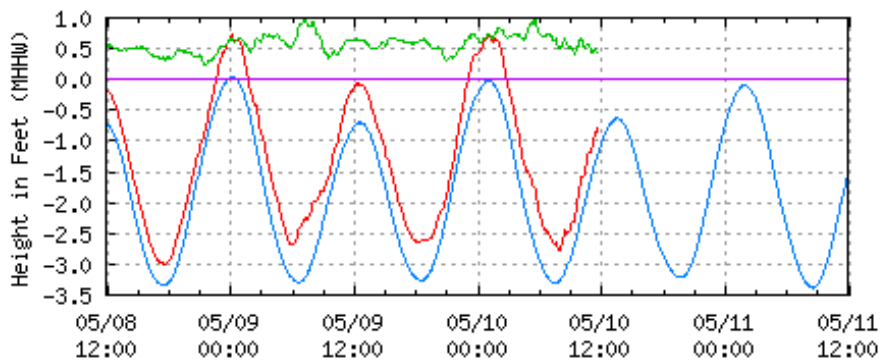
Wind Speed: 24 knots Gusts: 27 knots Direction: 139° T

NOAA/NOS/CO-OPS 8658163 Wrightsville Beach, NC
Barometric Pressure



barometric pressure —
Last Observed Sample: 05/10/2015 11:42 (EDT)
Barometric Pressure: 1015.5 mb

NOAA/NOS/CO-OPS 8656483 Beaufort, NC
Preliminary Water Level, relative to Mean Higher High Water (MHHW)



Predicted Tide — (Obs-Pred) —
Observed WL — MHHW —

Last Observed Sample: 05/10/2015 11:36 (EDT). Data relative to MHHW

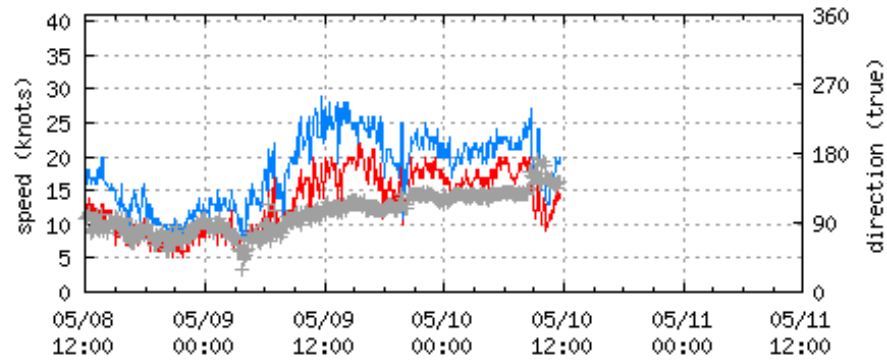
Observed: -0.78 ft. Predicted: -1.23 ft. Residual: 0.45 ft.

Historical Maximum Water Level: Sep 14 2005, 3.01 ft.

Next High Tide: 05/10/2015 13:31 (EDT), -0.64 ft.

NOAA/NOS/CO-OPS 8656483 Beaufort, NC

Wind Speed / Gusts / Direction



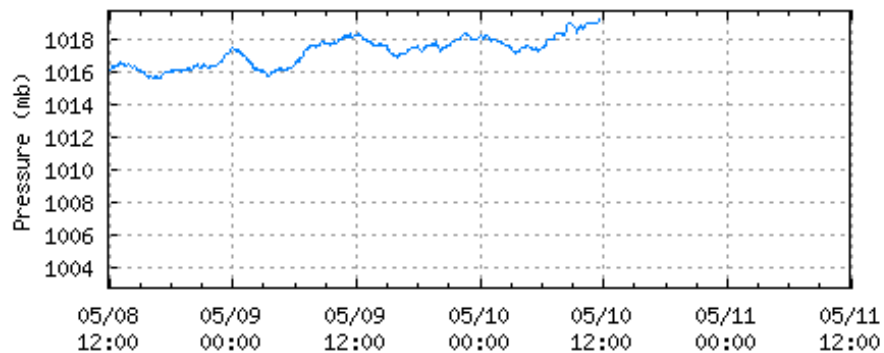
speed — gusts — direction +

Last Observed Sample: 05/10/2015 11:36 (EDT)

Wind Speed: 14 knots Gusts: 19 knots Direction: 143° T

NOAA/NOS/CO-OPS 8656483 Beaufort, NC

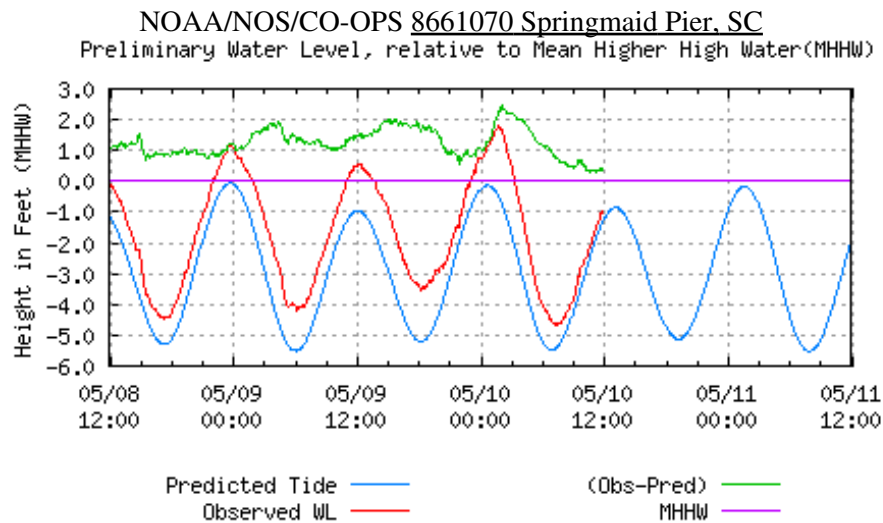
Barometric Pressure



barometric pressure —

Last Observed Sample: 05/10/2015 11:36 (EDT)

Barometric Pressure: 1019.3 mb

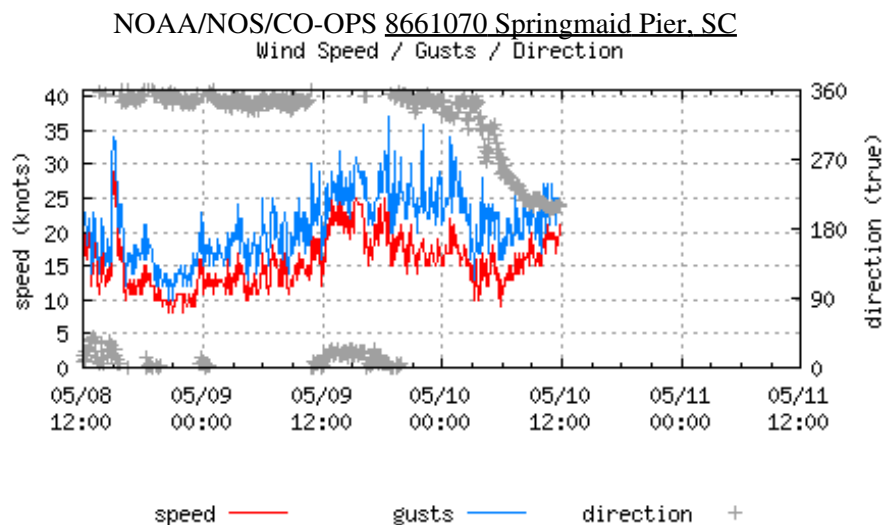


Last Observed Sample: 05/10/2015 11:48 (EDT). Data relative to MHHW

Observed: -0.97 ft. Predicted: -1.33 ft. Residual: 0.36 ft.

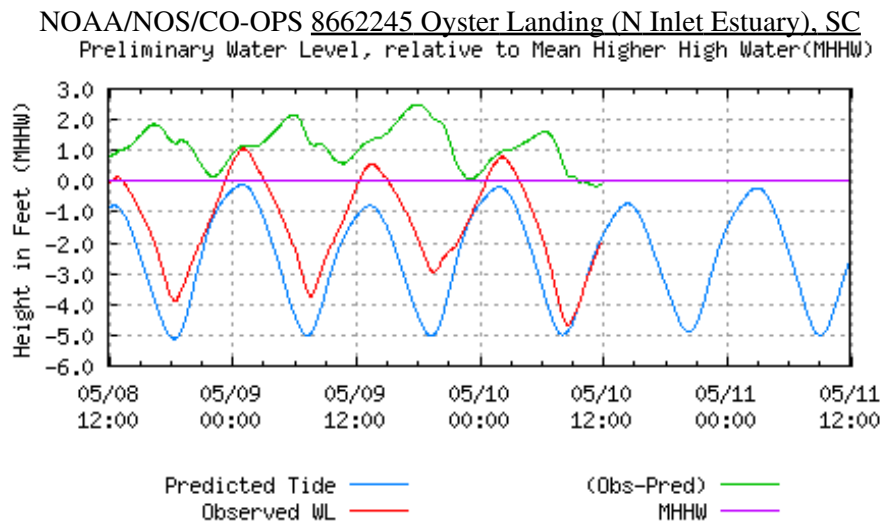
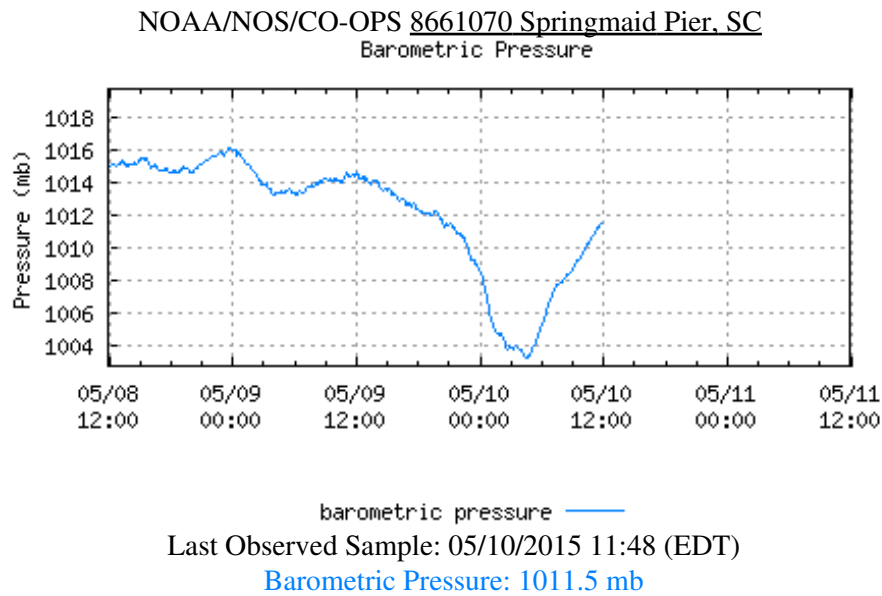
Historical Maximum Water Level: Jan 1 1987, 3.65 ft.

Next High Tide: 05/10/2015 13:05 (EDT), -0.86 ft.



Last Observed Sample: 05/10/2015 11:48 (EDT)

Wind Speed: 21 knots Gusts: 24 knots Direction: 208° T

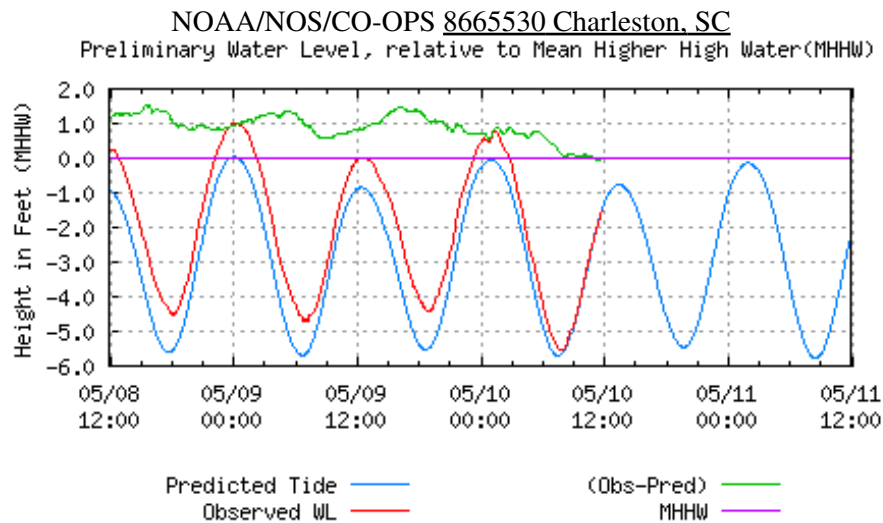


Last Observed Sample: 05/10/2015 11:42 (EDT). Data relative to MHHW

Observed: -2.03 ft. Predicted: -1.90 ft. Residual: -0.13 ft.

Historical Maximum Water Level: Aug 26 2011, 2.40 ft.

Next High Tide: 05/10/2015 14:22 (EDT), -0.73 ft.

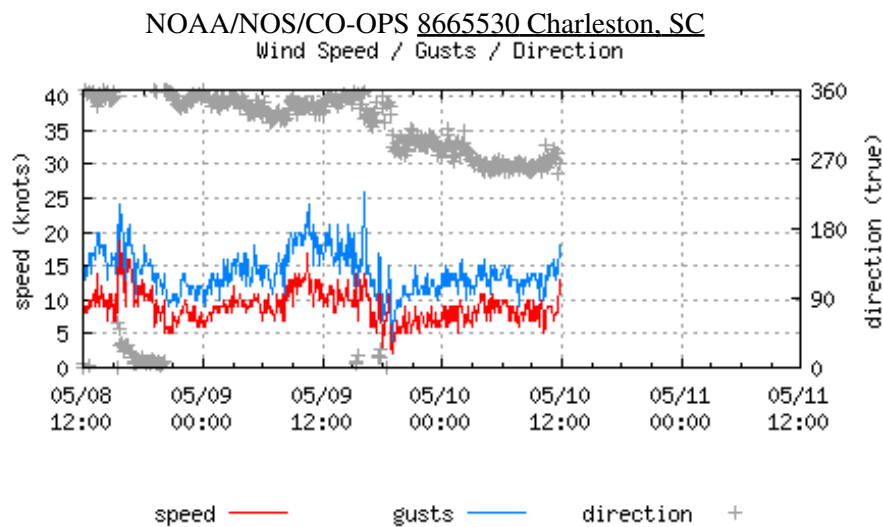


Last Observed Sample: 05/10/2015 11:42 (EDT). Data relative to MHHW

Observed: -1.53 ft. Predicted: -1.51 ft. Residual: -0.02 ft.

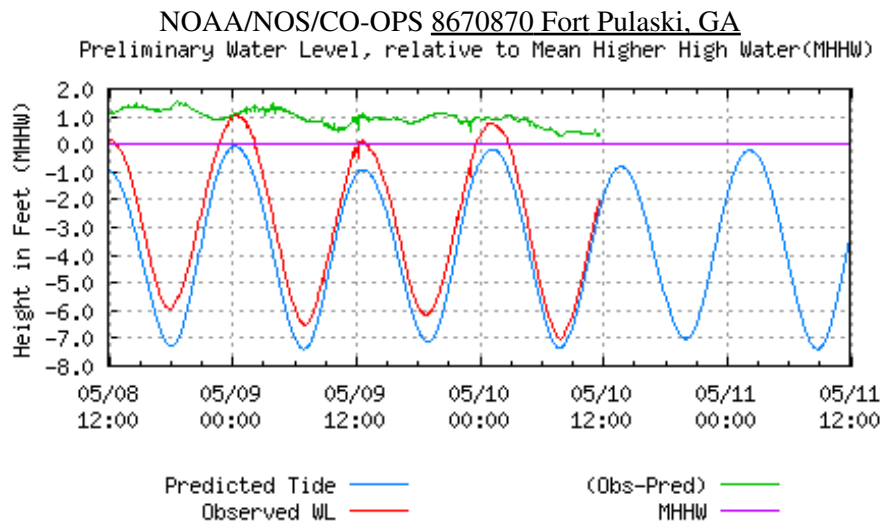
Historical Maximum Water Level: Sep 21 1989, 6.76 ft.

Next High Tide: 05/10/2015 13:24 (EDT), -0.77 ft.



Last Observed Sample: 05/10/2015 11:42 (EDT)

Wind Speed: 13 knots Gusts: 18 knots Direction: 264° T

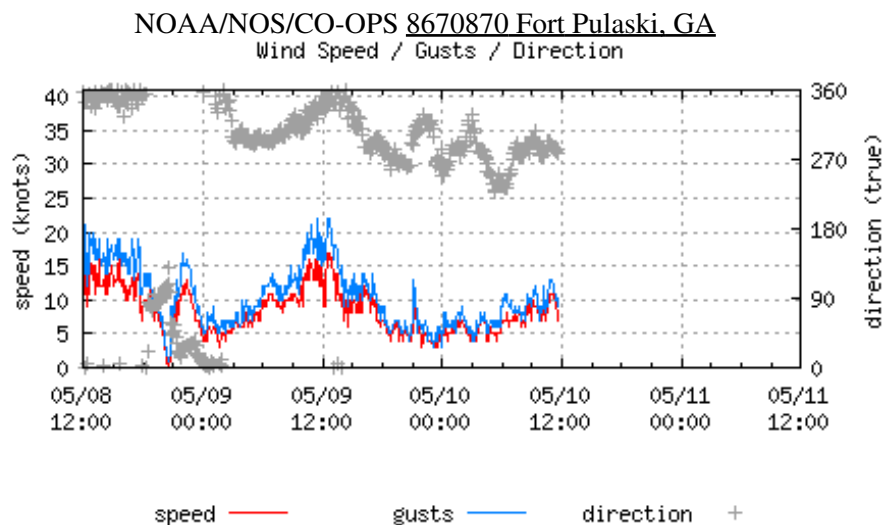


Last Observed Sample: 05/10/2015 11:36 (EDT). Data relative to MHHW

Observed: -2.04 ft. Predicted: -2.40 ft. Residual: 0.36 ft.

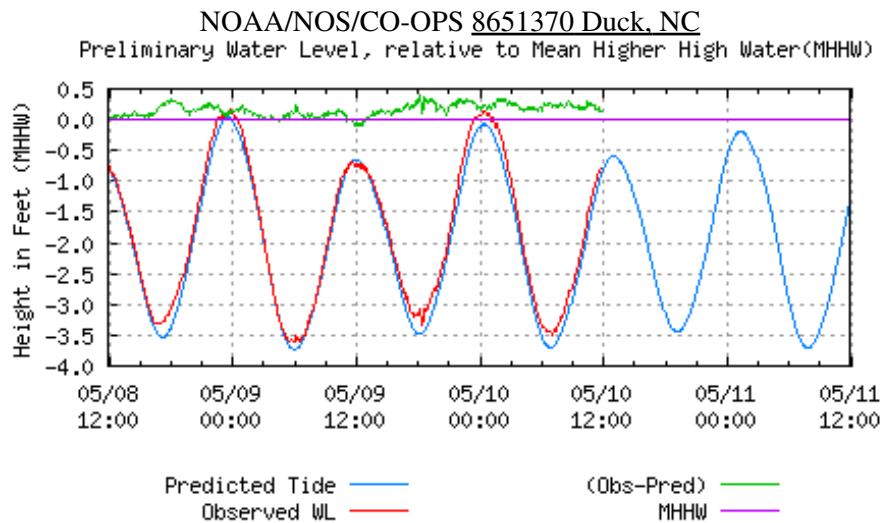
Historical Maximum Water Level: Oct 15 1947, 3.40 ft.

Next High Tide: 05/10/2015 13:43 (EDT), -0.80 ft.



Last Observed Sample: 05/10/2015 11:36 (EDT)

Wind Speed: 7 knots Gusts: 9 knots Direction: 279° T

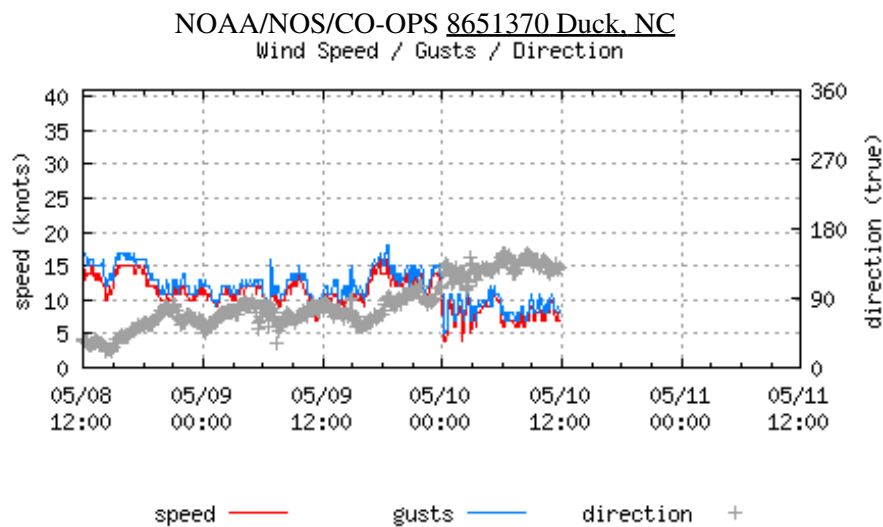


Last Observed Sample: 05/10/2015 11:42 (EDT). Data relative to MHHW

Observed: -0.79 ft. Predicted: -0.93 ft. Residual: 0.14 ft.

Historical Maximum Water Level: Sep 18 2003, 4.13 ft.

Next High Tide: 05/10/2015 12:57 (EDT), -0.59 ft.



Last Observed Sample: 05/10/2015 11:42 (EDT)

Wind Speed: 7 knots Gusts: 8 knots Direction: 131° T

Tropical Storm ANA QuickLook, POSTED 12:00 EDT 05/10/2015

Latest Water Level Observations on MHHW

Station ID	Station Name	Date/Time	Observed Water Level	Predicted Tide	Residual Water Level	24 Hour Maximum Storm Tide
8658163	Wrightsville Beach, NC	05/10/2015 11:42 (EDT)	-0.50 ft	-0.99 ft	0.49 ft	1.48 ft
8656483	Beaufort, NC	05/10/2015 11:36 (EDT)	-0.78 ft	-1.23 ft	0.45 ft	0.71 ft
8661070	Springmaid Pier, SC	05/10/2015 11:48 (EDT)	-0.97 ft	-1.33 ft	0.36 ft	1.79 ft
8662245	Oyster Landing (N Inlet Estuary), SC	05/10/2015 11:42 (EDT)	-2.03 ft	-1.90 ft	-0.13 ft	0.80 ft
8665530	Charleston, SC	05/10/2015 11:42 (EDT)	-1.53 ft	-1.51 ft	-0.02 ft	0.77 ft
8670870	Fort Pulaski, GA	05/10/2015 11:36 (EDT)	-2.04 ft	-2.40 ft	0.36 ft	0.78 ft
8651370	Duck, NC	05/10/2015 11:42 (EDT)	-0.79 ft	-0.93 ft	0.14 ft	0.14 ft

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)
National Oceanic and Atmospheric Administration | U.S. Department of Commerce